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Report of Analysis

Fluorochemical Characterization of Aqueous Samples

Project Name: P0005113

MPI Research Laboratory Report No. L0018926, L0018927, L0018958,

L0019129

Initial Report Date: 11/10/09

Revision Report Date: 11/23/09

Testing Laboratory

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Requester

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Analytical Report

Summary of Fluorochemical Residues in Water Samples

Sample ID: Sinking Creek Sample 1

Date Analyzed: <u>10/10/2009</u>

Analyte	Result (ng/mL)	LOQ (ng/mL)
C8 Acid- Perfluorooctanoic Acid	< 0.025 ^{1,2}	0.025
PFOS- Perfluorooctanesulfonate	0.0110 ³	0.010
FOSA- Perfluorooctane sulfonamide	< 0.010 ^{4,5}	0.010

¹ The low Field Matrix Spike recovery was outside the acceptance criteria of 70-130%.

² The lowest calibration standard (0.005 ng/mL) was excluded from the calculation of the calibration curve because the average peak area of the method blanks was greater than 50% of the standard's peak area, resulting in an increased LOQ.

³ The High Field Matrix recovery was outside the QC acceptance criteria of 50-150%. The Low Field Matrix recovery was within the acceptance criteria of 50-150% and the spiking concentration is within the Exhibit C criteria of 0.5 to 10 times endogenous sample levels, this data is considered reportable.

⁴ The low Field Matrix Spike recovery was outside the QC acceptance criteria of 50-150%, therefore the data is considered not reportable.

⁵ The high Field Matrix Spike recovery was outside the QC acceptance criteria of 50-150%, therefore the data is considered not reportable.

Analytical Report

Summary of Fluorochemical Residues in Water Samples

Sample ID: Sinking Creek Sample 1 Duplicate

Date Analyzed: <u>10/10/2009</u>

Analyte	Result (ng/mL)	LOQ (ng/mL)
C8 Acid- Perfluorooctanoic Acid	< 0.025 ^{1,2}	0.025
PFOS- Perfluorooctanesulfonate	< 0.010³	0.010
FOSA- Perfluorooctane sulfonamide	< 0.010 ^{4,5}	0.010

¹ The low Field Matrix Spike recovery was outside the acceptance criteria of 70-130%.

² The lowest calibration standard (0.005 ng/mL) was excluded from the calculation of the calibration curve because the average peak area of the method blanks was greater than 50% of the standard's peak area, resulting in an increased LOQ.

³ The High Field Matrix recovery was outside the QC acceptance criteria of 50-150%. The Low Field Matrix recovery was within the acceptance criteria of 50-150% and the spiking concentration is within the Exhibit C criteria of 0.5 to 10 times endogenous sample levels, this data is considered reportable.

⁴ The low Field Matrix Spike recovery was outside the QC acceptance criteria of 50-150%, therefore the data is considered not reportable.

⁵ The high Field Matrix Spike recovery was outside the QC acceptance criteria of 50-150%, therefore the data is considered not reportable.

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Analytical Report

Summary of Fluorochemical Residues in Water Samples

Sample ID: Turkey Creek Sample 2

Date Analyzed: 10/14/2009

Analyte	Result (ng/mL)	LOQ (ng/mL)
C8 Acid- Perfluorooctanoic Acid	< 0.010	0.010
PFOS- Perfluorooctanesulfonate	< 0.025 ^{1,2,3}	0.025
FOSA- Perfluorooctane sulfonamide	< 0.010 ^{4,5}	0.010

¹ The lowest calibration standard (0.005 ng/mL) was excluded from the calculation of the calibration curve because the average peak area of the method blanks was greater than 50% of the standard's peak area, resulting in an increased LOQ.

² The low Field Matrix Spike recovery was outside the acceptance criteria of 70-130%.

³ The High Field Matrix Spike recovery was outside the acceptance criteria of 70-130%.

¹ The high Field Matrix Spike recovery was outside the QC acceptance criteria of 50-150%, therefore the data is considered not reportable.

⁵ The low Field Matrix Spike recovery was outside the QC acceptance criteria of 50-150%, therefore the data is considered not reportable.

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Analytical Report

Summary of Fluorochemical Residues in Water Samples

Sample ID: Turkey Creek Sample 2 Duplicate

Date Analyzed: <u>10/14/2009</u>

Analyte	_	
Analyte	Result (ng/mL)	LOQ (ng/mL)
C8 Acid- Perfluorooctanoic Acid	< 0.010	0.010
PFOS- Perfluorooctanesulfonate	< 0.025 ^{1,2,3}	0.025
FOSA- Perfluorooctane sulfonamide	< 0.010 ^{4,5}	0.010

¹ The lowest calibration standard (0.005 ng/mL) was excluded from the calculation of the calibration curve because the average peak area of the method blanks was greater than 50% of the standard's peak area, resulting in an increased LOQ.

² The low Field Matrix Spike recovery was outside the acceptance criteria of 70-130%.

³ The high Field Matrix Spike recovery was outside the acceptance criteria of 70-130%.

⁴ The high Field Matrix Spike recovery was outside the QC acceptance criteria of 50-150%, therefore the data is considered not reportable.

⁵ The low Field Matrix Spike recovery was outside the QC acceptance criteria of 50-150%, therefore the data is considered not reportable.

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Analytical Report

Summary of Fluorochemical Residues in Water Samples

Sample ID: Trip Blank

Date Analyzed: <u>10/10/2009</u>

Analyte	Result (ng/mL)	LOQ (ng/mL)
C8 Acid- Perfluorooctanoic Acid	< 0.025 ¹	0.025
PFOS- Perfluorooctanesulfonate	< 0.010	0.010
FOSA- Perfluorooctane sulfonamide	< 0.010	0.010

¹ The lowest calibration standard (0.005 ng/mL) was excluded from the calculation of the calibration curve because the average peak area of the method blanks was greater than 50% of the standard's peak area, resulting in an increased LOQ.

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Analytical Report

Summary of Fluorochemical Residues in Water Samples

Sample ID: Sample #1 Horton Springs

Analyte	Result (ng/mL)	LOQ (ng/mL)
C8 Acid- Perfluorooctanoic Acid	< 0.025 ^{1,2}	0.025
PFOS- Perfluorooctanesulfonate	< 0.010 ³	0.010
FOSA- Perfluorooctane sulfonamide	< 0.010 ^{4,5}	0.010

^{*} Analyzed for PFOS on 10/09/2009

¹ The second and third injections of the LLOQ CCV standard (0.005 ng/mL) were outside the acceptance criteria of 70-130%, but were disregarded because the LLOQ calibration standard was excluded from the calibration curve (see Note 2).

² The lowest calibration standard (0.005 ng/mL) was excluded from the calculation of the calibration curve because the average peak area of the method blanks was greater than 50% of the standard's peak area, resulting in an increased LOQ.

³ The High Field Matrix recovery was outside the QC acceptance criteria of 50-150%. The Low Field Matrix recovery was within the acceptance criteria of 50-150% and the spiking concentration is within the Exhibit C criteria of 0.5 to 10 times endogenous sample levels, this data is considered reportable.

¹ The high Field Matrix Spike recovery was outside the QC acceptance criteria of 50-150%, therefore the data is considered not reportable.

⁵ The low Field Matrix Spike recovery was outside the QC acceptance criteria of 50-150%, therefore the data is considered not reportable.



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Analytical Report

Summary of Fluorochemical Residues in Water Samples

Sample ID: Sample #1 Duplicate Horton Springs

Date Analyzed: <u>09/18/2009*</u>

Analyte	Result (ng/mL)	LOQ (ng/mL)
C8 Acid- Perfluorooctanoic Acid	< 0.025 ^{1,2}	0.025
PFOS- Perfluorooctanesulfonate	< 0.010 ³	0.010
FOSA- Perfluorooctane sulfonamide	< 0.010 ^{4,5}	0.010

* Analyzed for PFOS on 10/09/2009

¹ The second and third injections of the LLOQ CCV standard (0.005 ng/mL) were outside the acceptance criteria of 70-130%, but were disregarded because the LLOQ calibration standard was excluded from the calibration curve (see Note 2).

² The lowest calibration standard (0.005 ng/mL) was excluded from the calculation of the calibration curve because the average peak area of the method blanks was greater than 50% of the standard's peak area, resulting in an increased LOQ.

³ The High Field Matrix recovery was outside the QC acceptance criteria of 50-150%. The Low Field Matrix recovery was within the acceptance criteria of 50-150% and the spiking concentration is within the Exhibit C criteria of 0.5 to 10 times endogenous sample levels, this data is considered reportable.

⁴ The high Field Matrix Spike recovery was outside the QC acceptance criteria of 50-150%, therefore the data is considered not reportable.

⁵ The low Field Matrix Spike recovery was outside the QC acceptance criteria of 50-150%, therefore the data is considered not reportable.

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Analytical Report

Summary of Fluorochemical Residues in Water Samples

Sample ID: Sample #2 Lawson & Newby Wells

Analyte	Result (ng/mL)	LOQ (ng/mL)
C8 Acid- Perfluorooctanoic Acid	< 0.025 ^{1,2}	0.025
PFOS- Perfluorooctanesulfonate	< 0.010 ³	0.010
FOSA- Perfluorooctane sulfonamide	< 0.010 ^{4,5}	0.010

^{*} Analyzed for PFOS on 10/09/2009

¹ The second and third injections of the LLOQ CCV standard (0.005 ng/mL) were outside the acceptance criteria of 70-130%, but were disregarded because the LLOQ calibration standard was excluded from the calibration curve (see Note 2).

² The lowest calibration standard (0.005 ng/mL) was excluded from the calculation of the calibration curve because the average peak area of the method blanks was greater than 50% of the standard's peak area, resulting in an increased LOQ.

³ The High Field Matrix recovery was outside the QC acceptance criteria of 50-150%. The Low Field Matrix recovery was within the acceptance criteria of 50-150% and the spiking concentration is within the Exhibit C criteria of 0.5 to 10 times endogenous sample levels, this data is considered reportable.

⁴ The high Field Matrix Spike recovery was outside the QC acceptance criteria of 50-150%, therefore the data is considered not reportable.

³ The low Field Matrix Spike recovery was outside the QC acceptance criteria of 50-150%, therefore the data is considered not reportable.

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Analytical Report

Summary of Fluorochemical Residues in Water Samples

Sample ID: Sample #2 Lawson & Newby Wells Duplicate

Analyte	Result (ng/mL)	LOQ (ng/mL)
C8 Acid- Perfluorooctanoic Acid	< 0.025 ^{1,2}	0.025
PFOS- Perfluorooctanesulfonate	< 0.010 ³	0.010
FOSA- Perfluorooctane sulfonamide	< 0.010 ^{4,5}	0.010

^{*} Analyzed for PFOS on 10/09/2009

- ¹ The second and third injections of the LLOQ CCV standard (0.005 ng/mL) were outside the acceptance criteria of 70-130%, but were disregarded because the LLOQ calibration standard was excluded from the calibration curve (see Note 2).
- ² The lowest calibration standard (0.005 ng/mL) was excluded from the calculation of the calibration curve because the average peak area of the method blanks was greater than 50% of the standard's peak area, resulting in an increased LOQ.
- ³ The High Field Matrix recovery was outside the QC acceptance criteria of 50-150%. The Low Field Matrix recovery was within the acceptance criteria of 50-150% and the spiking concentration is within the Exhibit C criteria of 0.5 to 10 times endogenous sample levels, this data is considered reportable.
- ⁴ The high Field Matrix Spike recovery was outside the QC acceptance criteria of 50-150%, therefore the data is considered not reportable.
- ³ The low Field Matrix Spike recovery was outside the QC acceptance criteria of 50-150%, therefore the data is considered not reportable.

Analytical Report

Summary of Fluorochemical Residues in Water Samples

Sample ID: Sample #3 Swan Creek Community Well

Analyte	Result (ng/mL)	LOQ (ng/mL)
C8 Acid- Perfluorooctanoic Acid	< 0.025 ^{1,2}	0.025
PFOS- Perfluorooctanesulfonate	< 0.010 ³	0.010
FOSA- Perfluorooctane sulfonamide	< 0.010 ^{4,5}	0.010

^{*} Analyzed for PFOS on 10/09/2009

¹ The second and third injections of the LLOQ CCV standard (0.005 ng/mL) were outside the acceptance criteria of 70-130%, but were disregarded because the LLOQ calibration standard was excluded from the calibration curve (see Note 2).

² The lowest calibration standard (0.005 ng/mL) was excluded from the calculation of the calibration curve because the average peak area of the method blanks was greater than 50% of the standard's peak area, resulting in an increased LOQ.

³ The High Field Matrix recovery was outside the QC acceptance criteria of 50-150%. The Low Field Matrix recovery was within the acceptance criteria of 50-150% and the spiking concentration is within the Exhibit C criteria of 0.5 to 10 times endogenous sample levels, this data is considered reportable.

⁴ The high Field Matrix Spike recovery was outside the QC acceptance criteria of 50-150%, therefore the data is considered not reportable.

³ The low Field Matrix Spike recovery was outside the QC acceptance criteria of 50-150%, therefore the data is considered not reportable.

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Analytical Report

Summary of Fluorochemical Residues in Water Samples

Sample ID: Sample #3 Swan Creek Community Well Duplicate

Date Analyzed: <u>09/18/2009*</u>

Analyte	Result (ng/mL)	LOQ (ng/mL)
C8 Acid- Perfluorooctanoic Acid	< 0.025 ^{1,2}	0.025
PFOS- Perfluorooctanesulfonate	< 0.010³	0.010
FOSA- Perfluorooctane sulfonamide	< 0.010 ^{4,5}	0.010

^{*} Analyzed for PFOS on 10/09/2009

¹ The second and third injections of the LLOQ CCV standard (0.005 ng/mL) were outside the acceptance criteria of 70-130%, but were disregarded because the LLOQ calibration standard was excluded from the calibration curve (see Note 2).

² The lowest calibration standard (0.005 ng/mL) was excluded from the calculation of the calibration curve because the average peak area of the method blanks was greater than 50% of the standard's peak area, resulting in an increased LOQ.

³ The High Field Matrix recovery was outside the QC acceptance criteria of 50-150%. The Low Field Matrix recovery was within the acceptance criteria of 50-150% and the spiking concentration is within the Exhibit C criteria of 0.5 to 10 times endogenous sample levels, this data is considered reportable.

⁴ The high Field Matrix Spike recovery was outside the QC acceptance criteria of 50-150%, therefore the data is considered not reportable.

³ The low Field Matrix Spike recovery was outside the QC acceptance criteria of 50-150%, therefore the data is considered not reportable.

Analytical Report

Summary of Fluorochemical Residues in Water Samples

Sample ID: Trip Blank

Analyte	Result (ng/mL)	LOQ (ng/mL)
C8 Acid- Perfluorooctanoic Acid	< 0.025 ^{1,2}	0.025
PFOS- Perfluorooctanesulfonate	< 0.010	0.010
FOSA- Perfluorooctane sulfonamide	< 0.010	0.010

^{*} Analyzed for PFOS on 10/09/2009

¹ The second and third injections of the LLOQ CCV standard (0.005 ng/mL) were outside the acceptance criteria of 70-130%, but were disregarded because the LLOQ calibration standard was excluded from the calibration curve (see Note 2).

² The lowest calibration standard (0.005 ng/mL) was excluded from the calculation of the calibration curve because the average peak area of the method blanks was greater than 50% of the standard's peak area, resulting in an increased LOQ.

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Analytical Report

Summary of Fluorochemical Residues in Water Samples

Sample ID: Finished Water Sample 1

Analyte	Result (ng/mL)	LOQ (ng/mL)
C8 Acid- Perfluorooctanoic Acid	< 0.025 ^{1,2}	0.025
PFOS- Perfluorooctanesulfonate	0.0102 ³	0.010
FOSA- Perfluorooctane sulfonamide	< 0.010 ^{4,5}	0.010

^{*} Analyzed for PFOS on 10/09-10/2009

¹ The second and third injections of the LLOQ CCV standard (0.005 ng/mL) were outside the acceptance criteria of 70-130%, but were disregarded because the LLOQ calibration standard was excluded from the calibration curve (see Note 2).

² The lowest calibration standard (0.005 ng/mL) was excluded from the calculation of the calibration curve because the average peak area of the method blanks was greater than 50% of the standard's peak area, resulting in an increased LOQ.

³ The High Field Matrix recovery was outside the QC acceptance criteria of 50-150%. The Low Field Matrix recovery was within the acceptance criteria of 50-150% and the spiking concentration is within the Exhibit C criteria of 0.5 to 10 times endogenous sample levels, this data is considered reportable.

⁴ The low Field Matrix Spike recovery was outside the QC acceptance criteria of 50-150%, therefore the data is considered not reportable.

³ The high Field Matrix Spike recovery was outside the QC acceptance criteria of 50-150%, therefore the data is considered not reportable.

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Analytical Report

Summary of Fluorochemical Residues in Water Samples

Sample ID: Finished Water Sample 1 Duplicate

Date Analyzed: <u>09/19/2009*</u>

Analyte	Result (ng/mL)	LOQ (ng/mL)
C8 Acid- Perfluorooctanoic Acid	< 0.025 ^{1,2}	0.025
PFOS- Perfluorooctanesulfonate	< 0.010 ³	0.010
FOSA- Perfluorooctane sulfonamide	< 0.010 ^{4,5}	0.010

* Analyzed for PFOS on 10/10/2009

¹ The second and third injections of the LLOQ CCV standard (0.005 ng/mL) were outside the acceptance criteria of 70-130%, but were disregarded because the LLOQ calibration standard was excluded from the calibration curve (see Note 2).

² The lowest calibration standard (0.005 ng/mL) was excluded from the calculation of the calibration curve because the average peak area of the method blanks was greater than 50% of the standard's peak area, resulting in an increased LOQ.

³ The High Field Matrix recovery was outside the QC acceptance criteria of 50-150%. The Low Field Matrix recovery was within the acceptance criteria of 50-150% and the spiking concentration is within the Exhibit C criteria of 0.5 to 10 times endogenous sample levels, this data is considered reportable.

⁴ The low Field Matrix Spike recovery was outside the QC acceptance criteria of 50-150%, therefore the data is considered not reportable.

⁵ The high Field Matrix Spike recovery was outside the QC acceptance criteria of 50-150%, therefore the data is considered not reportable.



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Summary of Fluorochemical Residues in Water Samples

Sample ID: Trip Blank

Analyte	Result (ng/mL)	LOQ (ng/mL)
C8 Acid- Perfluorooctanoic Acid	< 0.025 ^{1,2}	0.025
PFOS- Perfluorooctanesulfonate	< 0.010	0.010
FOSA- Perfluorooctane sulfonamide	< 0.010	0.010

^{*} Analyzed for PFOS on 10/10/2009

¹ The second and third injections of the LLOQ CCV standard (0.005 ng/mL) were outside the acceptance criteria of 70-130%, but were disregarded because the LLOQ calibration standard was excluded from the calibration curve (see Note 2).

² The lowest calibration standard (0.005 ng/mL) was excluded from the calculation of the calibration curve because the average peak area of the method blanks was greater than 50% of the standard's peak area, resulting in an increased LOQ.



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Analytical Report

Summary of Fluorochemical Residues in Water Samples

Sample ID: WTP Sample 1
Date Analyzed: 09/19/2009*

Analyte	Result (ng/mL)	LOQ (ng/mL)
C8 Acid- Perfluorooctanoic Acid	0.0317 ^{1,2}	0.025
PFOS- Perfluorooctanesulfonate	0.0208 ^{3,6,7}	0.010
FOSA- Perfluorooctane sulfonamide	< 0.010 ^{4,5}	0.010

^{*} Analyzed for PFOS on 10/12/2009

- ¹ The second and third injections of the LLOQ CCV standard (0.005 ng/mL) were outside the acceptance criteria of 70-130%, but were disregarded because the LLOQ calibration standard was excluded from the calibration curve (see Note 2).
- ² The lowest calibration standard (0.005 ng/mL) was excluded from the calculation of the calibration curve because the average peak area of the method blanks was greater than 50% of the standard's peak area, resulting in an increased LOQ.
- ³ The High Field Matrix recovery was outside the QC acceptance criteria of 50-150%. The Low Field Matrix recovery was within the acceptance criteria of 50-150% and the spiking concentration is within the Exhibit C criteria of 0.5 to 10 times endogenous sample levels, this data is considered reportable.
- ⁴ The high Field Matrix Spike recovery was outside the QC acceptance criteria of 50-150%, therefore the data is considered not reportable.
- ⁵ The low Field Matrix Spike recovery was outside the QC acceptance criteria of 50-150%, therefore the data is considered not reportable.
- ⁶ This individual sample was prepared and run again on 10/12/2009 after being reanalyzed for PFOS on 10/09/2009 because it was inadvertently skipped during the addition of internal standard to the samples.
- Outside the QC acceptance criteria of <20% relative percent difference (RPD) of duplicate samples

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Analytical Report

Summary of Fluorochemical Residues in Water Samples

Sample ID: WTP Sample 1 Duplicate

Analyte	Result (ng/mL)	LOQ (ng/mL)
C8 Acid- Perfluorooctanoic Acid	0.0262 ^{1,2}	0.025
PFOS- Perfluorooctanesulfonate	0.0155 ^{3,6}	0.010
FOSA- Perfluorooctane sulfonamide	< 0.010 ^{4,5}	0.010

^{*} Analyzed for PFOS on 10/10/2009

¹ The second and third injections of the LLOQ CCV standard (0.005 ng/mL) were outside the acceptance criteria of 70-130%, but were disregarded because the LLOQ calibration standard was excluded from the calibration curve (see Note 2).

² The lowest calibration standard (0.005 ng/mL) was excluded from the calculation of the calibration curve because the average peak area of the method blanks was greater than 50% of the standard's peak area, resulting in an increased LOQ.

The High Field Matrix recovery was outside the QC acceptance criteria of 50-150%. The Low Field Matrix recovery was within the acceptance criteria of 50-150% and the spiking concentration is within the Exhibit C criteria of 0.5 to 10 times endogenous sample levels, this data is considered reportable.

⁴ The high Field Matrix Spike recovery was outside the QC acceptance criteria of 50-150%, therefore the data is considered not reportable.

³ The low Field Matrix Spike recovery was outside the QC acceptance criteria of 50-150%, therefore the data is considered not reportable.

Outside the QC acceptance criteria of <20% relative percent difference (RPD) of duplicate samples



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Analytical Report

Summary of Fluorochemical Residues in Water Samples by LC/MS/MS

	PFOA Perfluorooctanoic Acid	PFOS Perfluorooctanesulfonate	FOSA Perfluorooctanesulphonamide
Sample ID	Analyte Found (ng/mL)	Analyte Found (ng/mL)	Analyte Found (ng/mL)
Sample #1 Horton Springs	< 0.025 ^{1,2}	< 0.010 ³	< 0.010 ⁴
Sample #1 Duplicate Horton Springs	< 0.025 ^{1,2}	< 0.010³	< 0.010 ⁴
Sample #2 Lawson & Newby Wells	< 0.025 ^{1,2}	< 0.010³	< 0.010 ⁴
Sample #2 Lawson & Newby Wells Duplicate	< 0.025 ^{1,2}	< 0.010³	< 0.010 ⁴
Sample #3 Swan Creek Community Well	< 0.0251,4	< 0.010³	< 0.010 ⁴
ample #3 Swan Creek Community Well Duplicate	< 0.025 ^{1,2}	< 0.0103	< 0.010 ⁴
Trip Blank	< 0.025 ^{1,2}	< 0.010	< 0.010
Finished Water Sample 1	< 0.025 ^{1,2}	0.01023	< 0.010 < 0.010 ⁴
Finished Water Sample 1 Duplicate	< 0.0251,2	< 0.010 ³	< 0.010 ⁴
Trip Blank	< 0.0251,2	< 0.010	
WTP Sample 1	0.03171,2	0.0208 ^{3,6,7}	< 0.010 < 0.010 ⁴
WTP Sample 1 Duplicate	0.02621,2	0.0155 ^{3,7}	< 0.010 ⁴
Sinking Creek Sample 1	< 0.025 ^{2,5}	0.01103	
Sinking Creek Sample 1 Duplicate	< 0.025 ^{2,5}	< 0.010 ³	< 0.010 ⁴
Turkey Creek Sample 2	< 0.010	< 0.025 ^{2,5,8}	< 0.010 ⁴
Turkey Creek Sample 2 Duplicate	< 0.010	< 0.025 ^{2,5,8}	< 0.0104
Trip Blank	< 0.025²	< 0.010	< 0.010 ⁴ < 0.010

¹ The second and third injections of the LLOQ CCV standard (0.005 ng/mL) were outside the acceptance criteria of 70-130%, but were disregarded because the LLOQ calibration standard was excluded from the calibration curve (see Note 2).

 $^{^2}$ The lowest calibration standard (0.005 ng/mL) was excluded from the calculation of the calibration curve because the average peak area of the method blanks was greater than 50% of the standard's peak area, resulting in an increased LOQ.

³ The High Field Matrix recovery was outside the QC acceptance criteria of 50-150%. The Low Field Matrix recovery was within the acceptance criteria of 50-150% and the spiking concentration is within the Exhibit C criteria of 0.5 to 10 times endogenous sample levels, this data is considered reportable.

⁴ The High and Low Field Matrix Spike recovery were outside the QC acceptance criteria of 50-150%, therefore the data is considered not reportable.

⁵ The low Field Matrix Spike recovery was outside the acceptance criteria of 70-130%.

⁶ This individual sample was prepared and run again on 10/12/2009 after being reanalyzed for PFOS on 10/09/2009 because it was inadvertently skipped during the addition of internal standard to the samples.

Outside the QC acceptance criteria of <20% relative percent difference (RPD) of duplicate samples</p>

⁵ The High Field Matrix Spike recovery was outside the acceptance criteria of 70-130%.